10535513.trn

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LOGINID:SSSPTA1626GMS

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS 1		Web Page for STN Seminar Schedule - N. America
NEWS 2	MAY 01	New CAS web site launched
NEWS 3	MAY 08	CA/CAplus Indian patent publication number format defined
NEWS 4	MAY 14	RDISCLOSURE on STN Easy enhanced with new search and display fields
NEWS 5	MAY 21	BIOSIS reloaded and enhanced with archival data
NEWS 6	MAY 21	TOXCENTER enhanced with BIOSIS reload
NEWS 7	MAY 21	CA/CAplus enhanced with additional kind codes for German patents
NEWS 8	MAY 22	CA/CAplus enhanced with IPC reclassification in Japanese patents
NEWS 9	JUN 27	CA/CAplus enhanced with pre-1967 CAS Registry Numbers
NEWS 10	JUN 29	STN Viewer now available
NEWS 11	JUN 29	STN Express, Version 8.2, now available
NEWS 12	JUL 02	LEMBASE coverage updated
NEWS 13	JUL 02	LMEDLINE coverage updated
NEWS 14	JUL 02	SCISEARCH enhanced with complete author names
NEWS 15	JUL 02	CHEMCATS accession numbers revised
NEWS 16	JUL 02	CA/CAplus enhanced with utility model patents from China
NEWS 17	JUL 16	CAplus enhanced with French and German abstracts
NEWS 18	JUL 18	CA/CAplus patent coverage enhanced
NEWS 19	JUL 26	USPATFULL/USPAT2 enhanced with IPC reclassification
NEWS 20	JUL 30	USGENE now available on STN
NEWS 21	AUG 06	CAS REGISTRY enhanced with new experimental property tags
NEWS 22	AUG 06	BEILSTEIN updated with new compounds
NEWS 23	AUG 06	FSTA enhanced with new thesaurus edition
NEWS 24	AUG 13	CA/CAplus enhanced with additional kind codes for granted patents
NEWS 25	AUG 20	CA/CAplus enhanced with CAS indexing in pre-1907 records
NEWS 26	AUG 27	Full-text patent databases enhanced with predefined patent family display formats from INPADOCDB
NEWS 27	AUG 27	USPATOLD now available on STN
NEWS 28	AUG 28	CAS REGISTRY enhanced with additional experimental spectral property data
NEWS 29	SEP 07	STN AnaVist, Version 2.0, now available with Derwent World Patents Index
NEWS 30	SEP 13	FORIS renamed to SOFIS
NEWS 31	SEP 13	INPADOCDB: New SDI frequency MONTHLY available now

NEWS EXPRESS 05 SEPTEMBER 2007: CURRENT WINDOWS VERSION IS V8.2,
CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 05 SEPTEMBER 2007.

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```
 NEWS HOURS     STN Operating Hours Plus Help Desk Availability
 NEWS LOGIN     Welcome Banner and News Items
 NEWS IPC8      For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that
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* * * * * * * * * * * * * * STN  Columbus  * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 11:48:49 ON 16 SEP 2007

=>
Uploading
THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE
Do you want to switch to the Registry File?
Choice (Y/n):
Switching to the Registry File...
Some commands only work in certain files.  For example, the EXPAND
command can only be used to look at the index in a file which has an
index.  Enter "HELP COMMANDS" at an arrow prompt (=>) for a list of
commands which can be used in this file.

=> FILE REGISTRY

COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                       0.21       0.21

FILE 'REGISTRY' ENTERED AT 11:48:59 ON 16 SEP 2007
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provided by InfoChem.

STRUCTURE FILE UPDATES:   14 SEP 2007  HIGHEST RN 947298-73-9
DICTIONARY FILE UPDATES:  14 SEP 2007  HIGHEST RN 947298-73-9

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

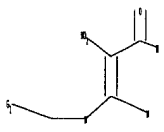
REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document.  For information
on property searching in REGISTRY, refer to:

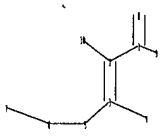
http://www.cas.org/support/stngen/stndoc/properties.html

=>
```

10535513.trn

Uploading C:\Program Files\Stnexp\Queries\10535513.str





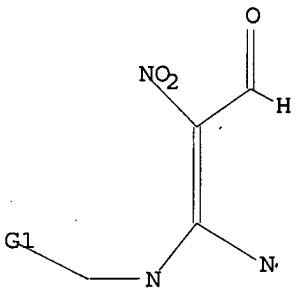
chain nodes :
1 2 3 4 5 6 7 8 9 10
chain bonds :
1-2 1-8 1-9 2-3 2-10 3-4 3-5 5-6 6-7
exact/norm bonds :
1-8 3-4 3-5 5-6 6-7
exact bonds :
1-2 1-9 2-3 2-10

G1:Cy,Hy,Ph

Match level :
1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS
10:CLASS

L1 STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1 STR



G1 Cy,Hy,Ph

Structure attributes must be viewed using STN Express query preparation.

```
=> s l1
SAMPLE SEARCH INITIATED 11:49:16 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -        8 TO ITERATE

100.0% PROCESSED         8 ITERATIONS                                0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:             8 TO      329
PROJECTED ANSWERS:                0 TO        0

L2             0 SEA SSS SAM L1

=> s l1 sss full
FULL SEARCH INITIATED 11:49:22 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -      160 TO ITERATE

100.0% PROCESSED       160 ITERATIONS                               3 ANSWERS
SEARCH TIME: 00.00.01

L3             3 SEA SSS FUL L1

=> FIL HCAPLUS
COST IN U.S. DOLLARS                                  SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                     172.10     172.31

FILE 'HCAPLUS' ENTERED AT 11:49:28 ON 16 SEP 2007
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```

FILE COVERS 1907 - 16 Sep 2007 VOL 147 ISS 13
FILE LAST UPDATED: 14 Sep 2007 (20070914/ED)

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This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l3
L4 2 L3

=> d l4 ibib abs hitstr tot

L4 ANSWER 1 OF 2 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2007:644247 HCAPLUS
DOCUMENT NUMBER: 147:25346
TITLE: Activity enhancement of neonicotinoid insecticides by ammonium or phosphonium compounds
INVENTOR(S): Jeschke, Peter; Nauen, Ralf; Pontzen, Rolf; Reckmann, Udo; Marczok, Peter; Fischer, Reiner; Velten, Robert; Arnold, Christian; Sanwald, Erich
PATENT ASSIGNEE(S): Bayer Cropscience A.-G., Germany
SOURCE: Ger. Offen., 22pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 102005059468	A1	20070614	DE 2005-102005059468	20051213
WO 2007068355	A1	20070621	WO 2006-EP11468	20061130

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

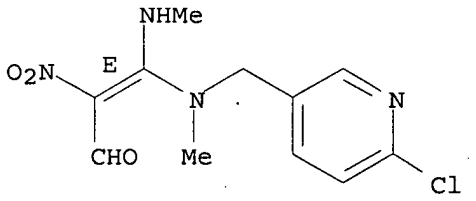
PRIORITY APPLN. INFO.: DE 2005-102005059468A 20051213

AB The insecticidal activity of inhibitors of nicotinergic acetylcholine receptors (for example neonicotinoids) is enhanced by addition of ammonium or phosphonium salts or quaternary ammonium salts and/or quaternary phosphonium salts. Penetration promoters, such as fatty alc. ethoxylates and mineral or vegetable oil esters, further enhance the activity.

IT 938069-26-2D, mixts. with (quaternary) ammonium or phosphonium salts
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(insecticides with enhanced activity)
RN 938069-26-2 HCAPLUS
CN 2-Propenal, 3-[[(6-chloro-3-pyridinyl)methyl]methylamino]-3-(methylamino)-

2-nitro-, (2E)- (CA INDEX NAME)

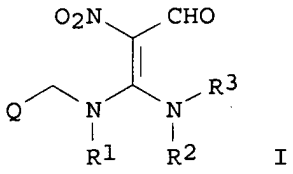
Double bond geometry as shown.



L4 ANSWER 2 OF 2 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2004:565211 HCAPLUS
DOCUMENT NUMBER: 141:123567
TITLE: Preparation of chloropyridine derivatives as useful as pesticides
INVENTOR(S): Samaritoni, Jack Geno; Demeter, David Anthony; Benko, Zoltan Laszlo; Gifford, James Michael; Neese, Paul Allen; Dintenfass, Leonard Paul; Schmidt, Carrie Lynn Rau
PATENT ASSIGNEE(S): Dow Agrosciences LLC, USA
SOURCE: PCT Int. Appl., 24 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004058714	A1	20040715	WO 2003-US40703	20031219
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2003301162	A1	20040722	AU 2003-301162	20031219
EP 1572651	A1	20050914	EP 2003-814240	20031219
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
US 2006040902	A1	20060223	US 2005-535513	20050518
PRIORITY APPLN. INFO.:			US 2002-435929P	P 20021220
			WO 2003-US40703	W 20031219

OTHER SOURCE(S): MARPAT 141:123567
GI



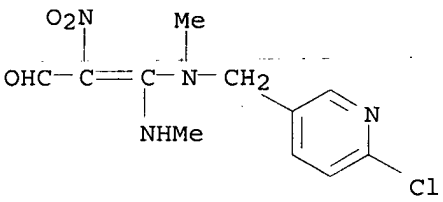
I

AB The title compds. I [Q = carbocyclyl or heterocyclyl, preferably chloropyridyl; R1 -R3 = H, OH, (cyclo)alkyl, (cyclo)alkenyl, aryl, heterocyclyl, etc.] are prepared as insecticides, acaricides and nematocides.

IT 721453-39-0P 721453-41-4P
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of chloropyridine derivs. useful as pesticides)

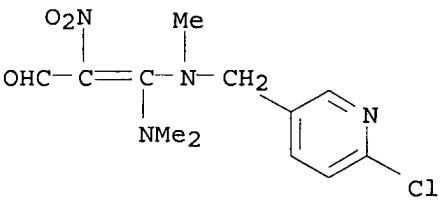
RN 721453-39-0 HCAPLUS

CN 2-Propenal, 3-[[(6-chloro-3-pyridinyl)methyl]methylamino]-3-(methylamino)-2-nitro- (9CI) (CA INDEX NAME)



RN 721453-41-4 HCAPLUS

CN 2-Propenal, 3-[[(6-chloro-3-pyridinyl)methyl]methylamino]-3-(dimethylamino)-2-nitro- (9CI) (CA INDEX NAME)



=> FIL REGISTRY

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	20.94	193.25

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-1.56	-1.56

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STRUCTURE FILE UPDATES: 14 SEP 2007 HIGHEST RN 947298-73-9
DICTIONARY FILE UPDATES: 14 SEP 2007 HIGHEST RN 947298-73-9

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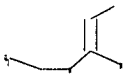
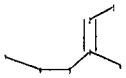
REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=>
Uploading C:\Program Files\Stnexp\Queries\10535513a.str





chain nodes :
1 2 3 4 5 6 7
chain bonds :
1-2 2-3 3-4 3-5 5-6 6-7
exact/norm bonds :
3-4 3-5 5-6 6-7
exact bonds :
1-2 2-3

G1:Cy,Hy,Ph

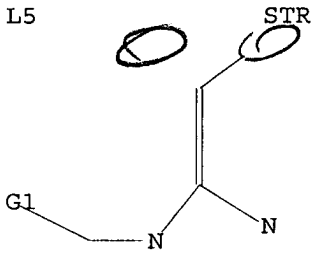
Match level :

10535513.trn

1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS

L5 STRUCTURE UPLOADED

=> d l5
L5 HAS NO ANSWERS
L5 STR



G1 Cy,Hy,Ph

Structure attributes must be viewed using STN Express query preparation.

=> s l5
SAMPLE SEARCH INITIATED 11:52:18 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 425 TO ITERATE

100.0% PROCESSED 425 ITERATIONS 15 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 7264 TO 9736
PROJECTED ANSWERS: 68 TO 532

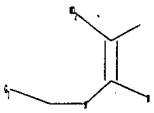
L6 15 SEA SSS SAM L5

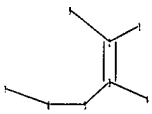
=> s l5 sss full
FULL SEARCH INITIATED 11:52:32 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 9477 TO ITERATE

100.0% PROCESSED 9477 ITERATIONS 384 ANSWERS
SEARCH TIME: 00.00.01

L7 384 SEA SSS FUL L5

=>
Uploading C:\Program Files\Stnexp\Queries\10535513b.str





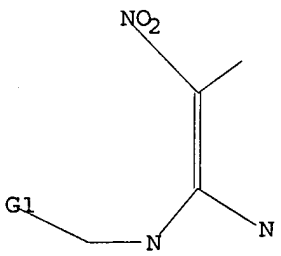
chain nodes :
1 2 3 4 5 6 7 9
chain bonds :
1-2 2-3 2-9 3-4 3-5 5-6 6-7
exact/norm bonds :
3-4 3-5 5-6 6-7
exact bonds :
1-2 2-3 2-9

G1:Cy,Hy,Ph

Match level :
1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 9:CLASS

L8 STRUCTURE UPLOADED

=> d l8
L8 HAS NO ANSWERS
L8 STR



G1 Cy,Hy,Ph

10535513.trn

Structure attributes must be viewed using STN Express query preparation.

```
=> s l8
SAMPLE SEARCH INITIATED 11:53:49 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -       20 TO ITERATE

100.0% PROCESSED       20 ITERATIONS                                7 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:          132 TO      668
PROJECTED ANSWERS:               7 TO      298

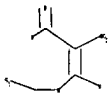
L9             7 SEA SSS SAM L8

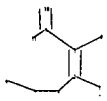
=> s l8 sss full
FULL SEARCH INITIATED 11:53:56 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -      389 TO ITERATE

100.0% PROCESSED      389 ITERATIONS                              115 ANSWERS
SEARCH TIME: 00.00.01

L10          115 SEA SSS FUL L8

=>
Uploading C:\Program Files\Stnexp\Queries\10535513c.str
```





```
chain nodes :
1  2  3  4  5  6  8  9  10  11
chain bonds :
1-2  1-8  1-9  2-3  2-4  4-5  5-6  9-10  9-11
exact/norm bonds :
2-3  2-4  4-5  5-6  9-10
exact bonds :
1-2  1-8  1-9  9-11

G1:Cy,Hy,Ph

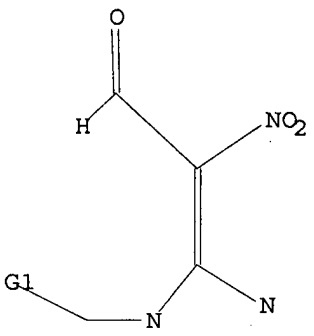
Match level :
```

10535513.trn

1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 8:CLASS 9:CLASS 10:CLASS
11:CLASS

L11 STRUCTURE UPLOADED

=> d l11
L11 HAS NO ANSWERS
L11 STR



G1 Cy,Hy,Ph

Structure attributes must be viewed using STN Express query preparation.

=> s l11
SAMPLE SEARCH INITIATED 11:56:13 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 8 TO ITERATE

100.0% PROCESSED 8 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 8 TO 329
PROJECTED ANSWERS: 0 TO 0

L12 0 SEA SSS SAM L11

=> s l11 sss full
FULL SEARCH INITIATED 11:56:20 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 160 TO ITERATE

100.0% PROCESSED 160 ITERATIONS < 3 ANSWERS
SEARCH TIME: 00.00.01

L13 3 SEA SSS FUL L11

=> FIL HCAPLUS
COST IN U.S. DOLLARS SINCE FILE ENTRY TOTAL SESSION
FULL ESTIMATED COST 518.10 711.35

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) SINCE FILE ENTRY TOTAL SESSION

CA SUBSCRIBER PRICE 0.00 -1.56

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FILE COVERS 1907 - 16 Sep 2007 VOL 147 ISS 13
FILE LAST UPDATED: 14 Sep 2007 (20070914/ED)

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This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d his

(FILE 'HOME' ENTERED AT 11:48:49 ON 16 SEP 2007)

FILE 'REGISTRY' ENTERED AT 11:48:59 ON 16 SEP 2007
L1 STRUCTURE UPLOADED
L2 0 S L1
L3 3 S L1 SSS FULL

FILE 'HCAPLUS' ENTERED AT 11:49:28 ON 16 SEP 2007
L4 2 S L3

FILE 'REGISTRY' ENTERED AT 11:52:02 ON 16 SEP 2007
L5 STRUCTURE UPLOADED
L6 15 S L5
L7 384 S L5 SSS FULL
L8 STRUCTURE UPLOADED
L9 7 S L8
L10 115 S L8 SSS FULL
L11 STRUCTURE UPLOADED
L12 0 S L11
L13 3 S L11 SSS FULL

FILE 'HCAPLUS' ENTERED AT 11:56:24 ON 16 SEP 2007

=> s l13
L14 2 L13

=> s l10
L15 24 L10

=> s l15 and py<=2002
22889914 PY<=2002
L16 20 L15 AND PY<=2002

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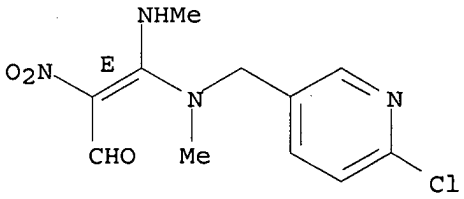
=> s l16 and us/pc
      1717082 US/PC
L17           2 L16 AND US/PC

=> d l14 ibib abs hitstr tot

L14  ANSWER 1 OF 2  HCAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         2007:644247  HCAPLUS
DOCUMENT NUMBER:          147:25346
TITLE:                    Activity enhancement of neonicotinoid insecticides by
                          ammonium or phosphonium compounds
INVENTOR(S):              Jeschke, Peter; Nauen, Ralf; Pontzen, Rolf; Reckmann,
                          Udo; Marczok, Peter; Fischer, Reiner; Velten, Robert;
                          Arnold, Christian; Sanwald, Erich
PATENT ASSIGNEE(S):       Bayer Cropscience A.-G., Germany
SOURCE:                   Ger. Offen., 22pp.
                          CODEN: GWXXBX
DOCUMENT TYPE:            Patent
LANGUAGE:                 German
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.            KIND   DATE         APPLICATION NO.          DATE
     ---------------       ----   --------     ---------------------    --------
     DE 102005059468        A1    20070614     DE 2005-102005059468     20051213
     WO 2007068355          A1    20070621     WO 2006-EP11468          20061130
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
             CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
             GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN,
             KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK,
             MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO,
             RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT,
             TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW
         RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
             IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,
             CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,
             GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
             KG, KZ, MD, RU, TJ, TM
PRIORITY APPLN. INFO.:                        DE 2005-102005059468A  20051213
AB   The insecticidal activity of inhibitors of nicotinergic acetylcholine
     receptors (for example neonicotinoids) is enhanced by addition of ammonium or
     phosphonium salts or quaternary ammonium salts and/or quaternary
     phosphonium salts. Penetration promoters, such as fatty alc. ethoxylates
     and mineral or vegetable oil esters, further enhance the activity.
IT   938069-26-2D, mixts. with (quaternary) ammonium or phosphonium
     salts
     RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
        (insecticides with enhanced activity)
RN   938069-26-2  HCAPLUS
CN   2-Propenal, 3-[[(6-chloro-3-pyridinyl)methyl]methylamino]-3-(methylamino)-
     2-nitro-, (2E)-  (CA INDEX NAME)

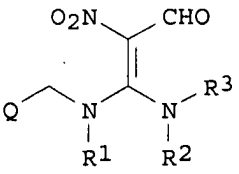
Double bond geometry as shown.
```



L14 ANSWER 2 OF 2 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2004:565211 HCAPLUS
DOCUMENT NUMBER: 141:123567
TITLE: Preparation of chloropyridine derivatives as useful as pesticides
INVENTOR(S): Samaritoni, Jack Geno; Demeter, David Anthony; Benko, Zoltan Laszlo; Gifford, James Michael; Neese, Paul Allen; Dintenfass, Leonard Paul; Schmidt, Carrie Lynn Rau
PATENT ASSIGNEE(S): Dow Agrosciences LLC, USA
SOURCE: PCT Int. Appl., 24 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004058714	A1	20040715	WO 2003-US40703	20031219
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2003301162	A1	20040722	AU 2003-301162	20031219
EP 1572651	A1	20050914	EP 2003-814240	20031219
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
US 2006040902	A1	20060223	US 2005-535513	20050518
PRIORITY APPLN. INFO.:			US 2002-435929P	P 20021220
			WO 2003-US40703	W 20031219

OTHER SOURCE(S): MARPAT 141:123567
GI

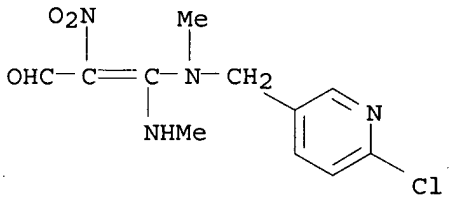


I

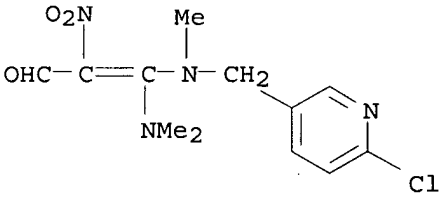
AB The title compds. I [Q = carbocyclyl or heterocyclyl, preferably chloropyridyl; R1 -R3 = H, OH, (cyclo)alkyl, (cyclo)alkenyl, aryl, heterocyclyl, etc.] are prepared as insecticides, acaricides and nematocides.

IT 721453-39-0P 721453-41-4P
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of chloropyridine derivs. useful as pesticides)

RN 721453-39-0 HCAPLUS
CN 2-Propenal, 3-[[(6-chloro-3-pyridinyl)methyl]methylamino]-3-(methylamino)-2-nitro- (9CI) (CA INDEX NAME)



RN 721453-41-4 HCAPLUS
CN 2-Propenal, 3-[[(6-chloro-3-pyridinyl)methyl]methylamino]-3-(dimethylamino)-2-nitro- (9CI) (CA INDEX NAME)



=> d l17 ibib abs hitstr tot

L17 ANSWER 1 OF 2 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1991:164015 HCAPLUS
DOCUMENT NUMBER: 114:164015
TITLE: Preparations of (pyridylalkyl)diaminoethylenes as insecticides
INVENTOR(S): Uneme, Hideki; Minamida, Isao; Okauchi, Tetsuo
PATENT ASSIGNEE(S): Takeda Chemical Industries, Ltd., Japan
SOURCE: Eur. Pat. Appl., 23 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 392560	A2	19901017	EP 1990-107120	19900412 <--
EP 392560	A3	19920108		

EP 392560	B1	19951227			
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE					
IL 94027	A	19950315	IL 1990-94027	19900406	<--
BR 9001734	A	19910604	BR 1990-1734	19900411	<--
JP 03169861	A	19910723	JP 1990-97363	19900411	<--
IN 170550	A1	19920411	IN 1990-MA269	19900411	<--
CA 2014490	A1	19901014	CA 1990-2014490	19900412	<--
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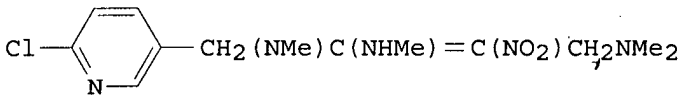
US 5438065	A	19950801	US 1990-507776	19900412	<--
AT 132139	T	19960115	AT 1990-107120	19900412	<--
ES 2081314	T3	19960301	ES 1990-107120	19900412	<--
HU 53780	A2	19901228	HU 1990-2438	19900413	<--
HU 207202	B	19930329			
KR 180726	B1	19990320	KR 1990-5270	19900413	<--
CN 1046896	A	19901114	CN 1990-102111	19900414	<--
CN 1036112	B	19971015			

PRIORITY APPLN. INFO.: JP 1989-95580 A 19890414
JP 1989-201980 A 19890802

OTHER SOURCE(S): CASREACT 114:164015; MARPAT 114:164015

GI



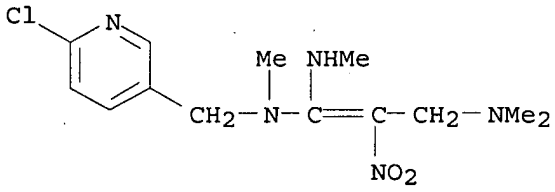
I

AB Title compds. R1(CH2)nNR2C(NR3R4):CXCHR5Y (R1 = (substituted) heterocyclyl; R2, R3, R4 = H, (substituted) hydrocarbyl, R3R4N = heterocyclyl; R5 = H, (substituted) hydrocarbyl, (substituted) heterocyclyl; X = electron attractant; Y = R6O, R6 = H, (substituted) hydrocarbyl, -heterocyclyl, (substituted) amino), etc.; n = 0, 1) or a salt thereof, are prepared 1-[N-(6-Chloro-3-pyridylmethyl)-N-methylamino]-1-(methylamino)-2-nitroethylene, aqueous CH2O, aqueous Me2NH and MeCN were stirred at room temperature for 8.5 h to give the pyridine derivative I. I at 500 and 100 ppm resulted in 100% mortality against Nilaparvata lugens and Aphis gossypii, resp.

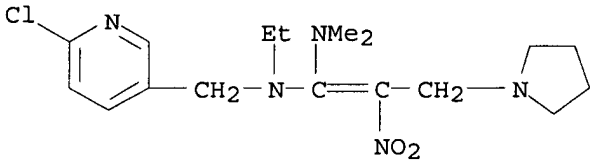
IT 133077-59-5P 133077-60-8P 133077-61-9P
133077-62-0P 133077-63-1P 133077-64-2P
133077-66-4P 133077-67-5P 133077-69-7P
133077-70-0P 133077-71-1P 133077-72-2P
133077-73-3P 133077-74-4P 133077-75-5P
133077-76-6P 133077-77-7P 133077-78-8P
133077-79-9P 133077-80-2P 133077-82-4P
133077-83-5P 133077-85-7P 133077-86-8P
133077-87-9P 133077-88-0P 133077-89-1P
133077-90-4P 133105-15-4P
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of, as insecticide)

RN 133077-59-5 HCAPLUS

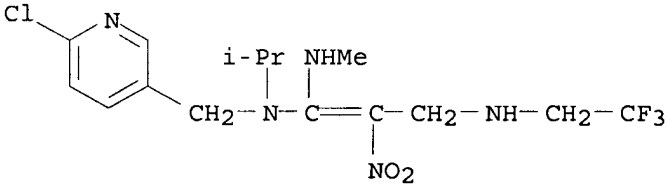
CN 1-Propene-1,1,3-triamine, N1-[(6-chloro-3-pyridinyl)methyl]-N1,N1',N3,N3-tetramethyl-2-nitro- (9CI) (CA INDEX NAME)



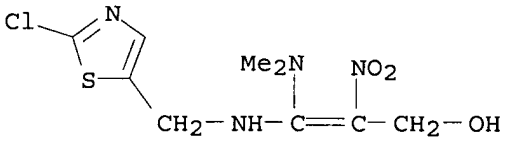
RN 133077-60-8 HCAPLUS
CN 1-Propene-1,1-diamine, N-[(6-chloro-3-pyridinyl)methyl]-N-ethyl-N',N'-dimethyl-2-nitro-3-(1-pyrrolidinyl)- (9CI) (CA INDEX NAME)



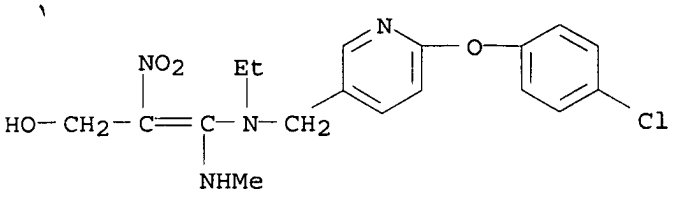
RN 133077-61-9 HCAPLUS
CN 1-Propene-1,1,3-triamine, N1-[(6-chloro-3-pyridinyl)methyl]-N1'-methyl-N1-(1-methylethyl)-2-nitro-N3-(2,2,2-trifluoroethyl)- (9CI) (CA INDEX NAME)



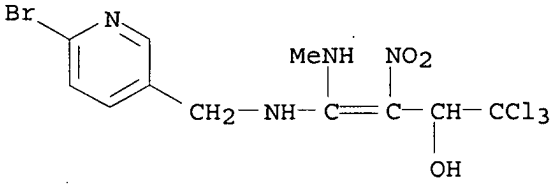
RN 133077-62-0 HCAPLUS
CN 2-Propen-1-ol, 3-[[(2-chloro-5-thiazolyl)methyl]amino]-3-(dimethylamino)-2-nitro- (9CI) (CA INDEX NAME)



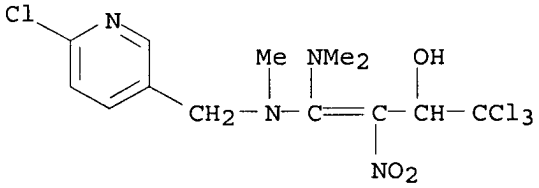
RN 133077-63-1 HCAPLUS
CN 2-Propen-1-ol, 3-[[[6-(4-chlorophenoxy)-3-pyridinyl]methyl]ethylamino]-3-(methylamino)-2-nitro- (9CI) (CA INDEX NAME)



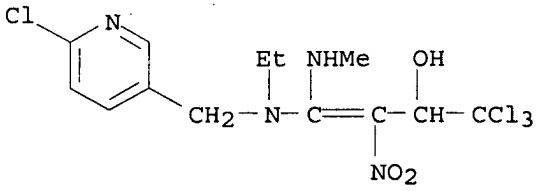
RN 133077-64-2 HCAPLUS
CN 3-Buten-2-ol, 4-[[(6-bromo-3-pyridinyl)methyl]amino]-1,1,1-trichloro-4-(methylamino)-3-nitro- (9CI) (CA INDEX NAME)



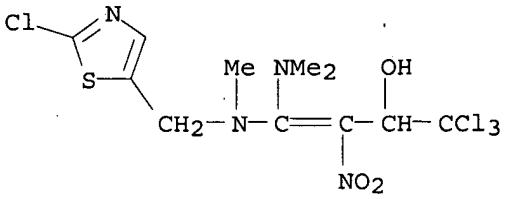
RN 133077-66-4 HCAPLUS
CN 3-Buten-2-ol, 1,1,1-trichloro-4-[[(6-chloro-3-pyridinyl)methyl]methylamino]-4-(dimethylamino)-3-nitro- (9CI) (CA INDEX NAME)



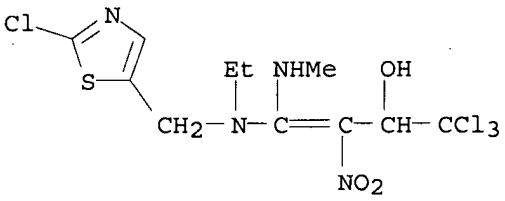
RN 133077-67-5 HCAPLUS
CN 3-Buten-2-ol, 1,1,1-trichloro-4-[[(6-chloro-3-pyridinyl)methyl]ethylamino]-4-(methylamino)-3-nitro- (9CI) (CA INDEX NAME)



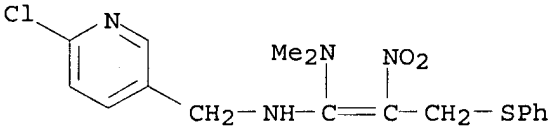
RN 133077-69-7 HCAPLUS
CN 3-Buten-2-ol, 1,1,1-trichloro-4-[[(2-chloro-5-thiazolyl)methyl]methylamino]-4-(dimethylamino)-3-nitro- (9CI) (CA INDEX NAME)



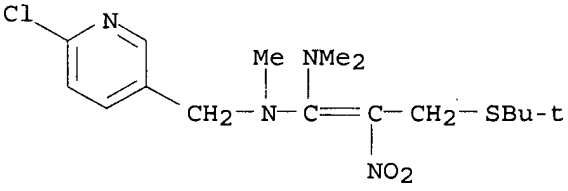
RN 133077-70-0 HCAPLUS
CN 3-Buten-2-ol, 1,1,1-trichloro-4-[[(2-chloro-5-thiazolyl)methyl]ethylamino]-4-(methylamino)-3-nitro- (9CI) (CA INDEX NAME)



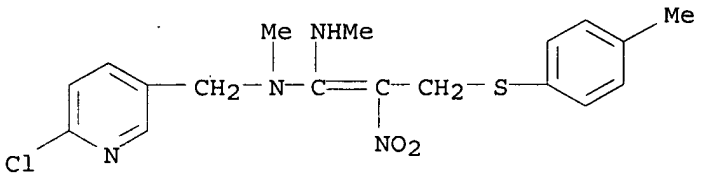
RN 133077-71-1 HCAPLUS
CN 1-Propene-1,1-diamine, N'-[(6-chloro-3-pyridinyl)methyl]-N,N-dimethyl-2-nitro-3-(phenylthio)- (9CI) (CA INDEX NAME)



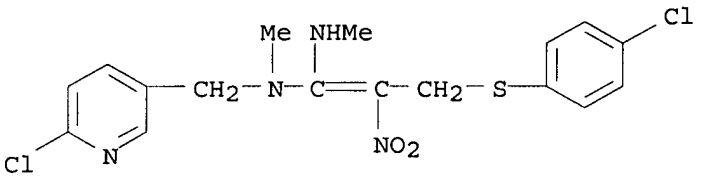
RN 133077-72-2 HCAPLUS
CN 1-Propene-1,1-diamine, N-[(6-chloro-3-pyridinyl)methyl]-3-[(1,1-dimethylethyl)thio]-N,N',N'-trimethyl-2-nitro- (9CI) (CA INDEX NAME)



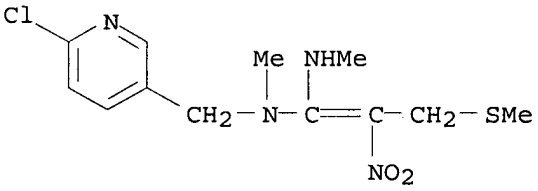
RN 133077-73-3 HCAPLUS
CN 1-Propene-1,1-diamine, N-[(6-chloro-3-pyridinyl)methyl]-N,N'-dimethyl-3-[(4-methylphenyl)thio]-2-nitro- (9CI) (CA INDEX NAME)



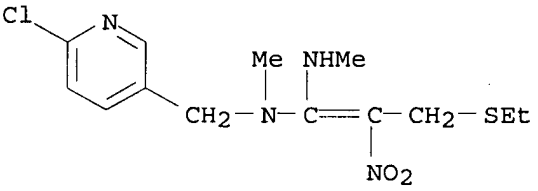
RN 133077-74-4 HCAPLUS
CN 1-Propene-1,1-diamine, 3-[(4-chlorophenyl)thio]-N-[(6-chloro-3-pyridinyl)methyl]-N,N'-dimethyl-2-nitro- (9CI) (CA INDEX NAME)



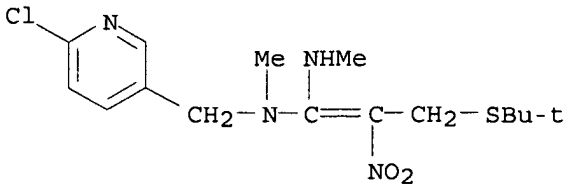
RN 133077-75-5 HCAPLUS
CN 1-Propene-1,1-diamine, N-[(6-chloro-3-pyridinyl)methyl]-N,N'-dimethyl-3-(methylthio)-2-nitro- (9CI) (CA INDEX NAME)



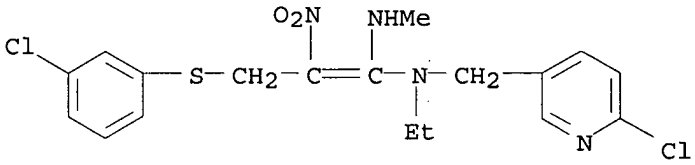
RN 133077-76-6 HCAPLUS
CN 1-Propene-1,1-diamine, N-[(6-chloro-3-pyridinyl)methyl]-3-(ethylthio)-N,N'-dimethyl-2-nitro- (9CI) (CA INDEX NAME)



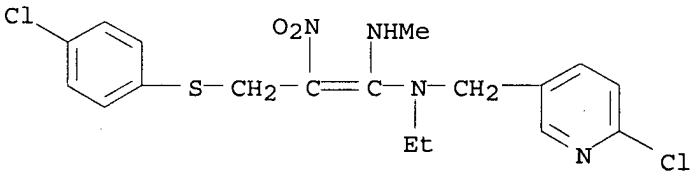
RN 133077-77-7 HCAPLUS
CN 1-Propene-1,1-diamine, N-[(6-chloro-3-pyridinyl)methyl]-3-[(1,1-dimethylethyl)thio]-N,N'-dimethyl-2-nitro- (9CI) (CA INDEX NAME)



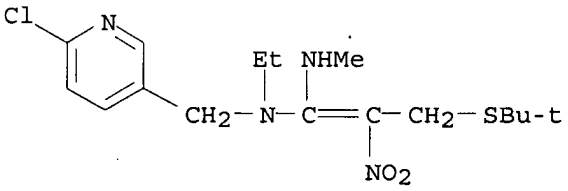
RN 133077-78-8 HCAPLUS
CN 1-Propene-1,1-diamine, 3-[(3-chlorophenyl)thio]-N-[(6-chloro-3-pyridinyl)methyl]-N-ethyl-N'-methyl-2-nitro- (9CI) (CA INDEX NAME)



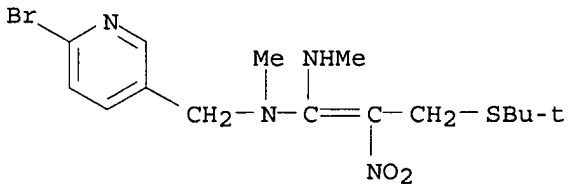
RN 133077-79-9 HCAPLUS
CN 1-Propene-1,1-diamine, 3-[(4-chlorophenyl)thio]-N-[(6-chloro-3-pyridinyl)methyl]-N-ethyl-N'-methyl-2-nitro- (9CI) (CA INDEX NAME)



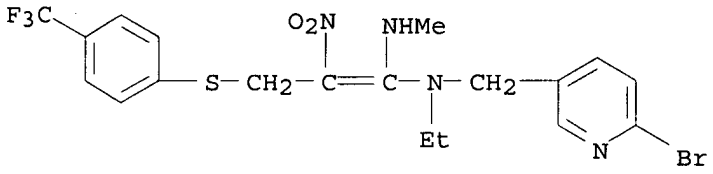
RN 133077-80-2 HCAPLUS
CN 1-Propene-1,1-diamine, N-[(6-chloro-3-pyridinyl)methyl]-3-[(1,1-dimethylethyl)thio]-N-ethyl-N'-methyl-2-nitro- (9CI) (CA INDEX NAME)



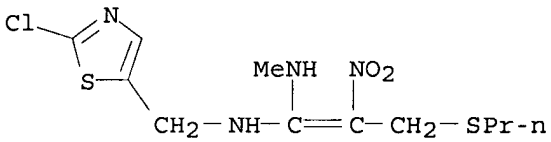
RN 133077-82-4 HCAPLUS
CN 1-Propene-1,1-diamine, N-[(6-bromo-3-pyridinyl)methyl]-3-[(1,1-dimethylethyl)thio]-N,N'-dimethyl-2-nitro- (9CI) (CA INDEX NAME)



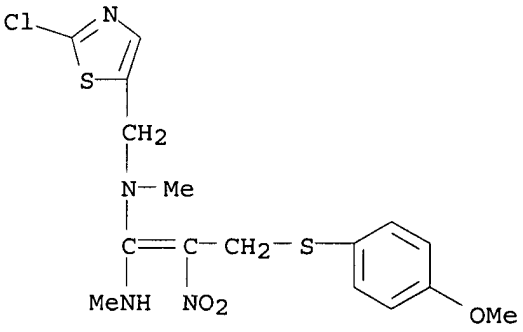
RN 133077-83-5 HCAPLUS
CN 1-Propene-1,1-diamine, N-[(6-bromo-3-pyridinyl)methyl]-N-ethyl-N'-methyl-2-nitro-3-[[4-(trifluoromethyl)phenyl]thio]- (9CI) (CA INDEX NAME)



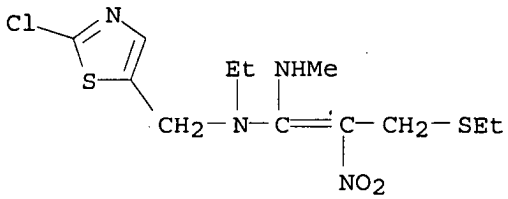
RN 133077-85-7 HCAPLUS
CN 1-Propene-1,1-diamine, N-[(2-chloro-5-thiazolyl)methyl]-N'-methyl-2-nitro-3-(propylthio)- (9CI) (CA INDEX NAME)



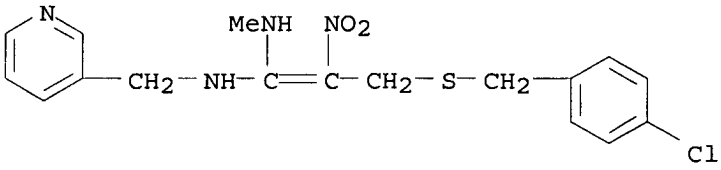
RN 133077-86-8 HCAPLUS
CN 1-Propene-1,1-diamine, N-[(2-chloro-5-thiazolyl)methyl]-3-[(4-methoxyphenyl)thio]-N,N'-dimethyl-2-nitro- (9CI) (CA INDEX NAME)



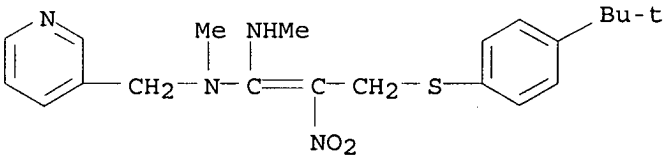
RN 133077-87-9 HCAPLUS
CN 1-Propene-1,1-diamine, N-[(2-chloro-5-thiazolyl)methyl]-N-ethyl-3-(ethylthio)-N'-methyl-2-nitro- (9CI) (CA INDEX NAME)



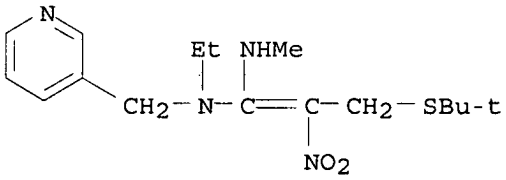
RN 133077-88-0 HCAPLUS
CN 1-Propene-1,1-diamine, 3-[[(4-chlorophenyl)methyl]thio]-N-methyl-2-nitro-N'-(3-pyridinylmethyl)- (9CI) (CA INDEX NAME)



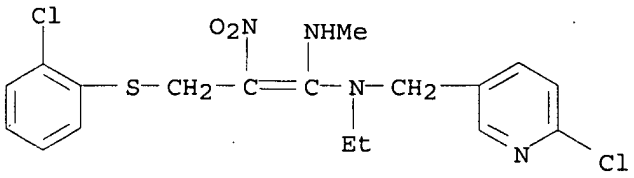
RN 133077-89-1 HCAPLUS
CN 1-Propene-1,1-diamine, 3-[[4-(1,1-dimethylethyl)phenyl]thio]-N,N'-dimethyl-2-nitro-N-(3-pyridinylmethyl)- (9CI) (CA INDEX NAME)



RN 133077-90-4 HCAPLUS
CN 1-Propene-1,1-diamine, 3-[(1,1-dimethylethyl)thio]-N-ethyl-N'-methyl-2-nitro-N-(3-pyridinylmethyl)- (9CI) (CA INDEX NAME)



RN 133105-15-4 HCAPLUS
CN 1-Propene-1,1-diamine, 3-[(2-chlorophenyl)thio]-N-[(6-chloro-3-pyridinyl)methyl]-N-ethyl-N'-methyl-2-nitro- (9CI) (CA INDEX NAME)



L17 ANSWER 2 OF 2 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1989:231447 HCAPLUS
DOCUMENT NUMBER: 110:231447
TITLE: Alpha-unsaturated amines, particularly 1,1-diamino-2-nitroethylene derivatives, their insecticidal/miticidal compositions, and processes for their preparation
INVENTOR(S): Minamida, Isao; Iwanaga, Koichi; Okauchi, Tetsuo
PATENT ASSIGNEE(S): Takeda Chemical Industries, Ltd., Japan
SOURCE: Eur. Pat. Appl., 118 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 302389	A2	19890208	EP 1988-112210	19880728 <--
EP 302389	A3	19900131		
EP 302389	B1	19931222		
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
IN 167709	A1	19901208	IN 1988-MA493	19880712 <--
EP 529680	A2	19930303	EP 1992-115873	19880720 <--
EP 529680	A3	19930714		
EP 529680	B1	19980513		
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
EP 509559	A2	19921021	EP 1992-111470	19880728 <--
EP 509559	A3	19930630		
EP 509559	B1	20011004		
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
IL 87250	A	19930610	IL 1988-87250	19880728 <--
AT 98955	T	19940115	AT 1988-112210	19880728 <--
ES 2061569	T3	19941216	ES 1988-112210	19880728 <--
IL 100688	A	19950831	IL 1988-100688	19880728 <--
AT 166051	T	19980515	AT 1992-115873	19880728 <--
US 5849768	A	19981215	US 1988-225367	19880728 <--
AT 206400	T	20011015	AT 1992-111470	19880728 <--
ES 2161212	T3	20011201	ES 1992-111470	19880728 <--
HU 53909	A2	19901228	HU 1988-4040	19880729 <--
HU 204496	B	19920128		
HU 205076	B	19920330	HU 1990-722	19880729 <--
CA 1340990	C	20000509	CA 1988-616738	19880729 <--
CA 1340991	C	20000516	CA 1988-573430	19880729 <--
CA 1341008	C	20000530	CA 1988-616737	19880729 <--
CN 1031079	A	19890215	CN 1988-104801	19880801 <--
CN 1027447	B	19950118		
JP 02000171	A	19900105	JP 1988-192383	19880801 <--
JP 07014916	B	19950222		
KR 9705908	B1	19970422	KR 1988-9848	19880801 <--

US 5175301	A	19921229	US 1989-406515	19890913	<--
IN 170790	A1	19920523	IN 1990-MA378	19900516	<--
US 5214152	A	19930525	US 1991-655072	19910214	<--
US 6407248	B1	20020618	US 1992-946542	19920917	<--
JP 05345760	A	19931227	JP 1993-8114	19930121	<--
JP 05345761	A	19931227	JP 1993-8115	19930121	<--
JP 05345774	A	19931227	JP 1993-8116	19930121	<--
JP 07049424	B	19950531			
KR 9711459	B1	19970711	KR 1993-14804	19930731	<--
KR 122856	B1	19971113	KR 1993-14803	19930731	<--
CN 1091737	A	19940907	CN 1993-114205	19931105	<--
CN 1083432	B	20020424			
CN 1093083	A	19941005	CN 1993-114206	19931105	<--
CN 1036649	B	19971210			
JP 07206820	A	19950808	JP 1994-254221	19940926	<--
JP 2551392	B2	19961106			
JP 07224036	A	19950822	JP 1994-254222	19940926	<--
JP 2551393	B2	19961106			
US 5935981	A	19990810	US 1997-957749	19971024	<--
US 6124297	A	20000926	US 1999-227538	19990111	<--

PRIORITY APPLN. INFO.:

JP 1987-192793	A	19870801
JP 1987-258856	A	19871013
JP 1988-16259	A	19880126
JP 1988-64885	A	19880317
IN 1988-MA493	A	19880712
EP 1988-112210	A	19880728
IL 1988-87250	A3	19880728
US 1988-225367	A3	19880728
KR 1988-9848	A3	19880801
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US 1991-655072	A3	19910214
US 1997-957749	A3	19971024

OTHER SOURCE(S): MARPAT 110:231447

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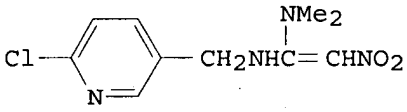


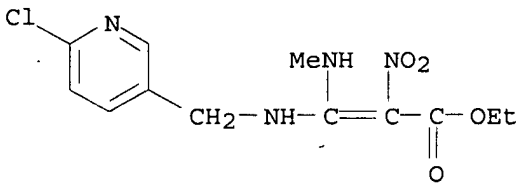
II

AB Title compds. X1X2C:CR1NR2(CnH2n)A [I; 1 of X1 or X2 = electron-attracting group, other = H or electron-attracting group; R1 = group attached through a N atom; R2 = H, group attached through a C, N, or O atom; n = 0-2; A = heterocyclyl; R1 = (un)substituted NH2 when R2 = H] are prepared as insecticides and miticides. Aminolysis of (MeS)2C:CHNO2 by Me2NH in refluxing aqueous EtOH gave Me2N(MeS)C:CHNO2, which underwent a 2nd aminolysis by 6-chloro-3-pyridylmethylamine in refluxing EtOH to give [(chloropyridylmethyl)amino](dimethylamino)nitroethylene II. At 500 ppm (spray) on rice seedlings, II gave 100% mortality of larval Nilaparvata lugens in 7 days.

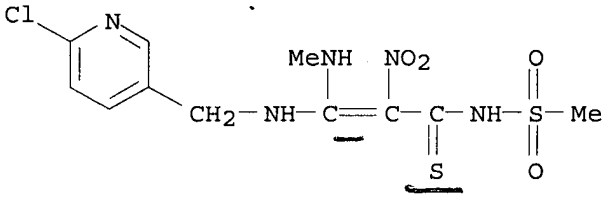
IT 120739-44-8P 120739-45-9P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, as insecticide and miticide)

RN 120739-44-8 HCAPLUS

CN 2-Propenoic acid, 3-[[(6-chloro-3-pyridinyl)methyl]amino]-3-(methylamino)-2-nitro-, ethyl ester (9CI) (CA INDEX NAME)



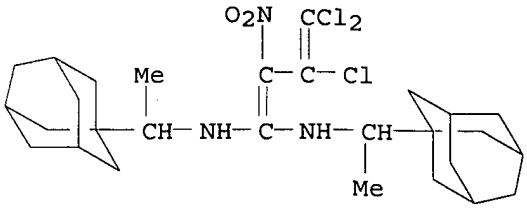
RN 120739-45-9 HCAPLUS
CN 2-Propenethioamide, 3-[[(6-chloro-3-pyridinyl)methyl]amino]-3-(methylamino)-N-(methylsulfonyl)-2-nitro- (9CI) (CA INDEX NAME)



=> d l16 ibib abs hitstr 1-10

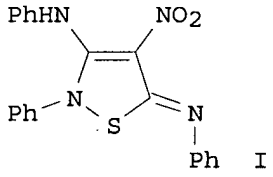
L16 ANSWER 1 OF 20 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2000:353382 HCAPLUS
DOCUMENT NUMBER: 133:120070
TITLE: Synthesis of trichloronitrodienamino adamantane derivatives
AUTHOR(S): Vashkevich, E. V.; Kozlov, N. G.; Potkin, V. I.
CORPORATE SOURCE: Institute of Physical Organic Chemistry, National Academy of Sciences of Belarus, Minsk, 220072, Belarus
SOURCE: Russian Journal of Organic Chemistry (Translation of Zhurnal Organicheskoi Khimii) (1999), 35(12), 1773-1776
CODEN: RJOCEQ; ISSN: 1070-4280
PUBLISHER: MAIK Nauka/Interperiodica Publishing
DOCUMENT TYPE: Journal
LANGUAGE: English
AB Vilsmeier-Haack reaction with (acetyl)adamantane gave 3-(1-adamantyl)-3-chloro-2-propenal which reacted with hydroxylamine to yield the corresponding oxime. The latter was reduced with metallic sodium in ethanol to 1-(1-adamantyl)-1-chloro-3-aminopropene which treated with 1,1,2,4,4-pentachloro-3-nitro-1,3-butadiene to give N,N'-bis[1-(1-adamantyl)ethyl]-3,4,4-trichloro-2-nitro-1,3-butadiene-1,1-diamine. The latter was shown to possess antitumor activity in vitro. Similarly prepared was N,N'-bis[3-(1-adamantyl)-3-chloro-2-propenyl]-3,4,4-trichloro-2-nitro-1,3-butadiene-1,1-diamine.
IT 286015-05-2P, N,N'-Bis[1-(1-adamantyl)ethyl]-3,4,4-trichloro-2-nitro-1,3-butadiene-1,1-diamine
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(preparation of chloro(nitro)bis[(adamantyl)alkyl]butadienediamines)
RN 286015-05-2 HCAPLUS
CN 1,3-Butadiene-1,1-diamine, 3,4,4-trichloro-2-nitro-N,N'-bis(1-

tricyclo[3.3.1.13,7]dec-1-ylethyl)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 2 OF 20 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1999:49680 HCAPLUS
DOCUMENT NUMBER: 130:124730
TITLE: Desulfurization of 4-nitro-N,2-diphenyl-3-(phenylamino)isothiazol-5(2H)-imine. Formation of a 3-imino-2-nitroprop-2-enamidine
AUTHOR(S): Argilagos, Dally Moya; Kunz, Roland W.; Linden, Anthony; Heimgartner, Heinz
CORPORATE SOURCE: Organisch-Chemisches Institut, Universitaet Zurich, Zurich, CH-8057, Switz.
SOURCE: Helvetica Chimica Acta (1998), 81(12), 2388-2406
CODEN: HCACAV; ISSN: 0018-019X
PUBLISHER: Verlag Helvetica Chimica Acta AG
DOCUMENT TYPE: Journal
LANGUAGE: English
GI



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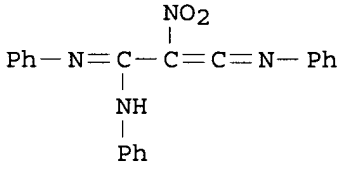

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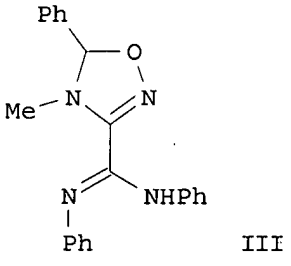

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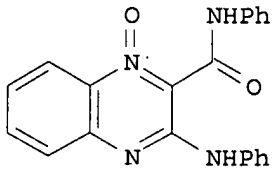


IV

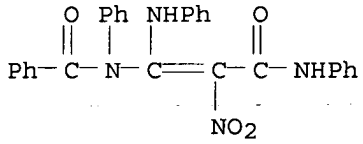
AB The course of the desulfurization reaction of 4-nitro-N,2-diphenyl-3-(phenylamino)isothiazol-5(2H)-imine (I) was investigated and the formation of the unstable 3-imino-2-nitroprop-2-enamidine (II) as intermediate is discussed. Addition of amines R2NH and thiophenol to the reaction mixture yielded the amidine derivs. (PhHN)2C:C(NO2)C(:NPh)NR2 and the thioimidate

(PhHN)2C:C(NO2)C(:NPh)SPh, resp., via nucleophilic addition of the resp. reagent to II. Benzoic acid and thiobenzoic acid afforded the amide (PhHN)(PhCONPh)C:C(NO2)CONHPh and the thioamide (PhHN)2C:C(NO2)CSNHPh, resp., as secondary products of the expected adducts. The presence of (benzylidene)(methyl)amine in the reaction mixture of the desulfurization of I led to the 1,2,4-oxadiazole derivative (III), together with the quinoxaline N-oxide (IV) as a minor product. Reaction mechanisms involving an intermediate ketene imine and participation of the NO2 group in the reaction leading to 1,2,4-oxadiazole III are proposed. Ab initio calcns. of model structures for the nitroketene imine were performed and the results correlated with the exptl. results. The structures of the thioamide and III were established by x-ray crystal-structure anal.

IT 219904-26-4P
RL: SPN (Synthetic preparation); PREP (Preparation)
(trapping and ab initio study of the desulfurization mechanism of 4-nitro-N,2-diphenyl-3-(phenylamino)isothiazol-5(2H)-imine involving formation of 3-imino-2-nitroprop-2-enamidine intermediate)

RN 219904-26-4 HCAPLUS

CN Benzamide, N-[2-nitro-3-oxo-1,3-bis(phenylamino)-1-propenyl]-N-phenyl- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 56 THERE ARE 56 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 3 OF 20 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1997:151155 HCAPLUS

DOCUMENT NUMBER: 126:251101

TITLE: An unexpected isomerization of N-aryl-3-amino-4-nitroisothiazol-5(2H)-imines to 2-(benzothiazol-2-yl)-2-nitroethene-1,1-diamines

AUTHOR(S): Argilagos, Dally Moya; Garcia Trimino, Maria I.; Macias Cabrera, Arturo; Linden, Anthony; Heimgartner, Heinz

CORPORATE SOURCE: Organisch-Chemisches Institut, Universitaet Zuerich, Zurich, CH-8057, Switz.

SOURCE: Helvetica Chimica Acta (1997), 80(1), 273-292
CODEN: HCACAV; ISSN: 0018-019X

PUBLISHER: Verlag Helvetica Chimica Acta

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 126:251101

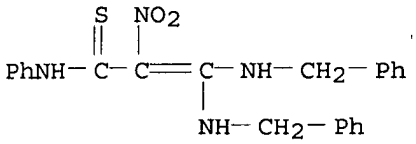
AB N-aryl-3-amino-4-nitroisothiazol-5(2H)-imines were prepared from 3,3-diamino-2-nitrothioacrylamides by treating with DEAD in DMF. In polar solvents, a spontaneous isomerization of some of the prepared isothiazol-5(2H)-imines gave benzothiazoles. In the case of 2-alkyl-substituted isothiazol-5(2H)-imines, the isomerization occurred only at higher temps. Electronic influences of different substituents on the isomerization rate were studied, and a polar reaction mechanism is proposed. The structures of a isothiazolimine and a benzothiazolylnitroethenediamine were established by x-ray crystallog. Conformational anal. of 3-(methylamino)-2-nitro-N-phenyl-3-(pyrrolidin-1-

yl)thioacrylamide was performed to explain the distinct behavior of this amide towards Br2 or DEAD.

IT 175726-92-8
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of arylaminonitroisothiazolimines and isomerization to benzothiazoles)

RN 175726-92-8 HCAPLUS

CN 2-Propenethioamide, 2-nitro-N-phenyl-3,3-bis[(phenylmethyl)amino]- (CA INDEX NAME)



L16 ANSWER 4 OF 20 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1997:18075 HCAPLUS

DOCUMENT NUMBER: 126:59849

TITLE: Preparation of tetrahydrofuran derivatives as insecticides

INVENTOR(S): Oora, Takeshi; Nakaya, Michihiko; Oonuma, Kazutomi; Matsuo, Shingo; Kawahara, Nobuyuki

PATENT ASSIGNEE(S): Mitsui Toatsu Chemicals, Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 22 pp.
CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

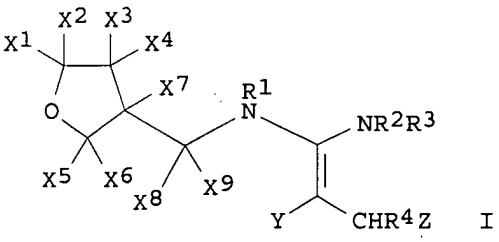
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 08259553	A	19961008	JP 1995-64118	19950323 <--

PRIORITY APPLN. INFO.: JP 1995-64118 19950323

OTHER SOURCE(S): MARPAT 126:59849

GI



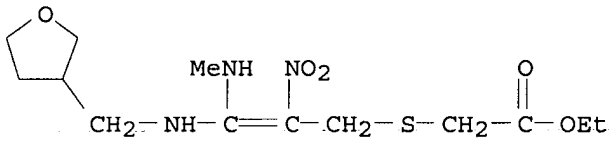
I

AB The title compds. [I; X1 - X9 = H, C1-4 alkyl; R1 = H, C1-5 alkyl, C2-6 alkoxyalkyl, C1-6 alkoxycarbonyl, C1-6 cycloalkylcarbonyl, (un)substituted benzoyl; R2, R3 = H, C1-5 alkyl, alkoxy, alkenyl, alkynyl; or R2 and R3 combine with an adjacent N to form a cycloamino; Y = electron withdrawing group; R4 = H, C1-6 alkyl; Z = S(O)nR5, NR6R7; R5 = (un)substituted alkyl, alkenyl, or alkynyl; n = 0-2; R6, R7 = (un)substituted alkyl, alkenyl, or alkynyl; or R6 and R7 combine with an adjacent N to form a cycloamino] are

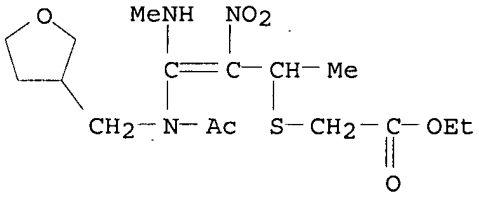
prepared Thus, 1-methylamino-1-(tetrahydro-3-furanyl)methylamino-2-nitroethylene was refluxed with formalin and HSCH2CO2Et in EtOH to give 39% I (X1 - X9 = R1 = R2 = R4 = H, R3 = Me, Y = NO2, Z = SCH2CO2Et) (II). II at 100 ppm killed 100% of Laodelphax striatellus and Nephotettix cincticeps vs. < 10% of reference compound 1-[(1'-methyl-3'-pyrrolidinyl)methyl]-1-methylamino-2-nitroethylene.

IT 184950-23-0P 184950-24-1P 184950-25-2P
184950-26-3P 184950-27-4P 184950-28-5P
184950-29-6P 184950-30-9P 184950-31-0P
184950-32-1P 184950-33-2P
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of tetrahydrofuranylmethylamine derivs. as insecticides)

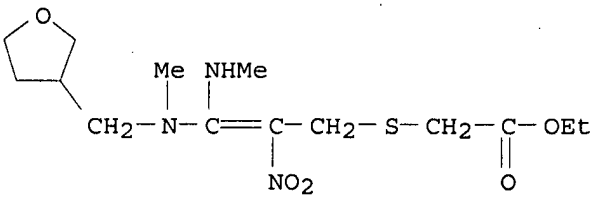
RN 184950-23-0 HCAPLUS
CN Acetic acid, [[3-(methylamino)-2-nitro-3-[[(tetrahydro-3-furanyl)methyl]amino]-2-propenyl]thio]-, ethyl ester (9CI) (CA INDEX NAME)



RN 184950-24-1 HCAPLUS
CN Acetic acid, [[3-[acetyl[(tetrahydro-3-furanyl)methyl]amino]-1-methyl-3-(methylamino)-2-nitro-2-propenyl]thio]-, ethyl ester (9CI) (CA INDEX NAME)

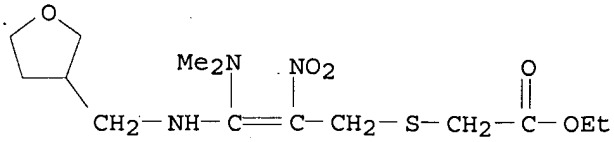


RN 184950-25-2 HCAPLUS
CN Acetic acid, [[3-(methylamino)-3-[methyl[(tetrahydro-3-furanyl)methyl]amino]-2-nitro-2-propenyl]thio]-, ethyl ester (9CI) (CA INDEX NAME)

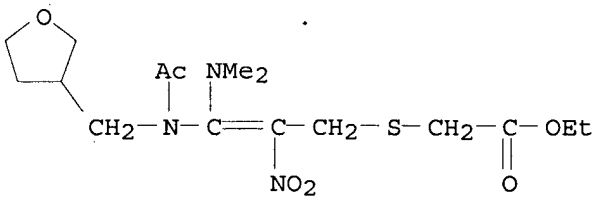


RN 184950-26-3 HCAPLUS
CN Acetic acid, [[3-(dimethylamino)-2-nitro-3-[[(tetrahydro-3-

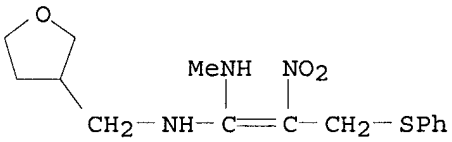
furanyl)methyl]amino]-2-propenyl]thio]-, ethyl ester (9CI) (CA INDEX NAME)



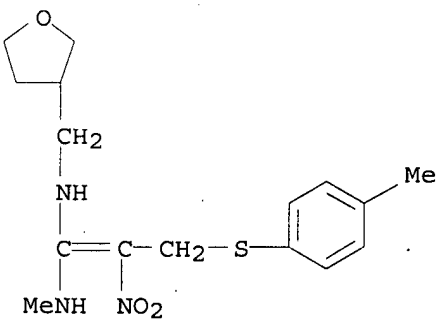
RN 184950-27-4 HCAPLUS
CN Acetic acid, [[3-[acetyl[(tetrahydro-3-furanyl)methyl]amino]-3-(dimethylamino)-2-nitro-2-propenyl]thio]-, ethyl ester (9CI) (CA INDEX NAME)



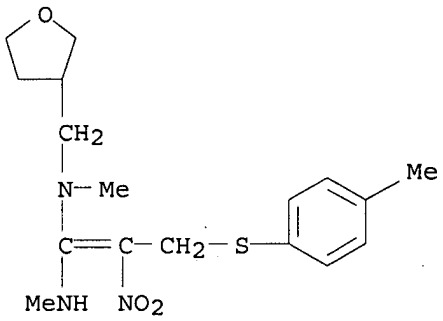
RN 184950-28-5 HCAPLUS
CN 1-Propene-1,1-diamine, N-methyl-2-nitro-3-(phenylthio)-N'-[(tetrahydro-3-furanyl)methyl]- (9CI) (CA INDEX NAME)



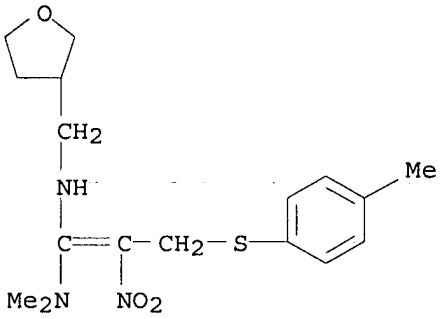
RN 184950-29-6 HCAPLUS
CN 1-Propene-1,1-diamine, N-methyl-3-[(4-methylphenyl)thio]-2-nitro-N'-[(tetrahydro-3-furanyl)methyl]- (9CI) (CA INDEX NAME)



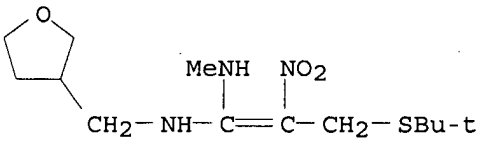
RN 184950-30-9 HCAPLUS
CN 1-Propene-1,1-diamine, N,N'-dimethyl-3-[(4-methylphenyl)thio]-2-nitro-N-[(tetrahydro-3-furanyl)methyl]- (9CI) (CA INDEX NAME)



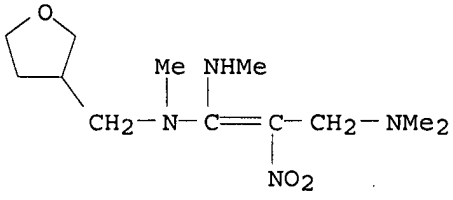
RN 184950-31-0 HCAPLUS
CN 1-Propene-1,1-diamine, N,N-dimethyl-3-[(4-methylphenyl)thio]-2-nitro-N'-[(tetrahydro-3-furanyl)methyl]- (9CI) (CA INDEX NAME)



RN 184950-32-1 HCAPLUS
CN 1-Propene-1,1-diamine, 3-[(1,1-dimethylethyl)thio]-N-methyl-2-nitro-N'-[(tetrahydro-3-furanyl)methyl]- (9CI) (CA INDEX NAME)



RN 184950-33-2 HCAPLUS
CN 1-Propene-1,1,3-triamine, N1,N1',N3,N3-tetramethyl-2-nitro-N1-[(tetrahydro-3-furanyl)methyl]- (9CI) (CA INDEX NAME)

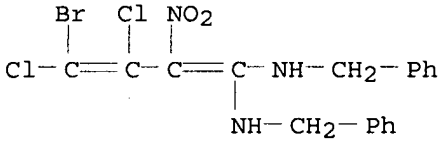


ACCESSION NUMBER: 1996:334710 HCAPLUS
DOCUMENT NUMBER: 125:113914
TITLE: Synthesis and some reactions of 4-bromo-2-nitro-1,1,3,4-tetrachloro-1,3-butadiene
AUTHOR(S): Potkin, V. I.; Gogolinskii, V. I.; Nechai, N. I.; Zapol'skii, V. A.; Kaberdin, R. V.
CORPORATE SOURCE: Inst. Fiz.-Org. Khim., Akad. Nauk Belarusi, Minsk, Belarus
SOURCE: Zhurnal Organicheskoi Khimii (1995), 31(12), 1816-1822
CODEN: ZORKAE; ISSN: 0514-7492
PUBLISHER: Nauka
DOCUMENT TYPE: Journal
LANGUAGE: Russian
OTHER SOURCE(S): CASREACT 125:113914

AB The E and Z isomers of BrClC:CClCR:CCl2 (I, R = NO2) were prepared by nitration of I (E)- and (Z)-(R = H) with HNO3-H3PO4 or HNO3-H2SO4. The main byproduct was BrClC:CClCHO, which reacted with amines to give Schiff bases of 3,3-diamino-2-chloropropenals. Reaction of (E)-I (R = NO2) with amines gave BrClC:CClC(NO2):C(NRR1)2 (NRR1 = NHPh, NHCH2Ph, NHCMe3, NEt2, piperidino, morpholino, etc.). Also prepared was 3-MeC6H4NHCCl:CClC(NO2):C(NHC6H4Me-3)2.

IT 179049-17-3P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

RN 179049-17-3 HCAPLUS
CN 1,3-Butadiene-1,1-diamine, 4-bromo-3,4-dichloro-2-nitro-N,N'-bis(phenylmethyl)- (CA INDEX NAME)

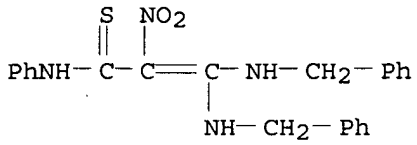


L16 ANSWER 6 OF 20 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1996:136331 HCAPLUS
DOCUMENT NUMBER: 124:288401
TITLE: Improved synthesis of 3,3-diamino-2-nitrothioacrylamides
AUTHOR(S): Moya Argilagos, D.; Macias, Cabrera, A.; Garcia Trimino, M. I.; Velez Castro, H.
CORPORATE SOURCE: Lab. Org. Chemistry, National Center Scientific Res., Havana, Cuba
SOURCE: Synthetic Communications (1996), 26(6), 1187-97
CODEN: SYNCAV; ISSN: 0039-7911
PUBLISHER: Dekker
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 124:288401

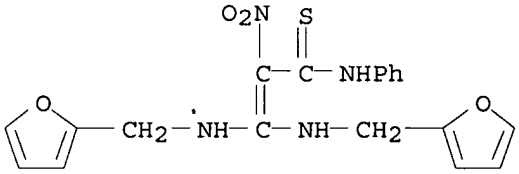
AB 3,3-Diamino-2-nitrothioacrylamides (R2R1N)2C:C(NO2)C(NHPh):S (NR1R2 = NHMe, NMe2, pyrrolo, morpholino, piperidino, NHPh, etc.) were obtained in high yields and short reaction times by the use of acetone as solvent in the reaction of nitroketenaminals (R2R1N)2C:CHNO2 with PhNCS.

IT 175726-92-8P 175726-97-3P
RL: SPN (Synthetic preparation); PREP (Preparation)

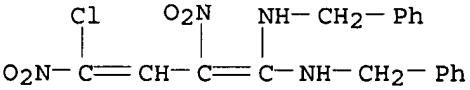
(preparation of diaminonitrothioacrylamides)
RN 175726-92-8 HCAPLUS
CN 2-Propenethioamide, 2-nitro-N-phenyl-3,3-bis[(phenylmethyl)amino]- (CA INDEX NAME)



RN 175726-97-3 HCAPLUS
CN 2-Propenethioamide, 3,3-bis[(2-furanylmethyl)amino]-2-nitro-N-phenyl- (9CI) (CA INDEX NAME)



L16 ANSWER 7 OF 20 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1995:753022 HCAPLUS
DOCUMENT NUMBER: 123:313100
TITLE: Synthesis of polyhalobutadienes and their functional derivatives from 1,2-dichloroethylene dimer
AUTHOR(S): Zapol'skii, V. A.; Potkin, V. I.; Kaberdin, R. V.
CORPORATE SOURCE: Inst. Fiz.-Org. Khim., Minsk, Belarus
SOURCE: Zhurnal Organicheskoi Khimii (1994), 30(9), 1368-78
CODEN: ZORKAE; ISSN: 0514-7492
PUBLISHER: Nauka
DOCUMENT TYPE: Journal
LANGUAGE: Russian
OTHER SOURCE(S): CASREACT 123:313100
AB Synthesis and reactions of 1,3-dinitro-1,4,4-trichloro-1,3-butadiene (I) with amines, thiols, benzotriazole and O,N- and N,N-bifunctional nucleophiles is described. Nucleophilic vinylic substitution of I affords products of substitution of a chlorine atom as well as nitro group.
IT 160822-30-0P
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(synthesis of polyhalobutadienes and their functional derivs. from 1,3,4,4-tetrachloro-1-butene)
RN 160822-30-0 HCAPLUS
CN 1,3-Butadiene-1,1-diamine, 4-chloro-2,4-dinitro-N,N'-bis(phenylmethyl)- (CA INDEX NAME)

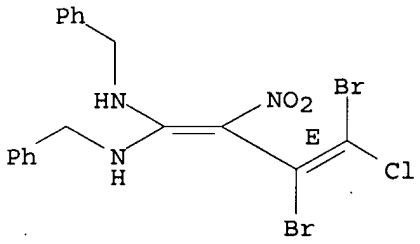


IT 170162-07-9P 170167-83-6P

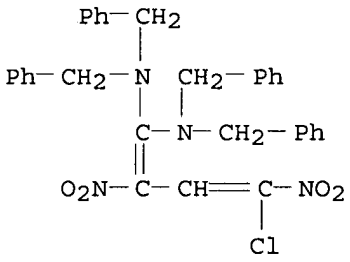
RL: SPN (Synthetic preparation); PREP (Preparation)
(synthesis of polyhalobutadienes and their functional derivs. from 1,3,4,4-tetrachloro-1-butene)

RN 170162-07-9 HCAPLUS
CN 1,3-Butadiene-1,1-diamine, 3,4-dibromo-4-chloro-2-nitro-N,N'-bis(phenylmethyl)-, (3E)- (CA INDEX NAME)

Double bond geometry as shown.



RN 170167-83-6 HCAPLUS
CN 1,3-Butadiene-1,1-diamine, 4-chloro-2,4-dinitro-N,N,N',N'-tetrakis(phenylmethyl)- (9CI) (CA INDEX NAME)



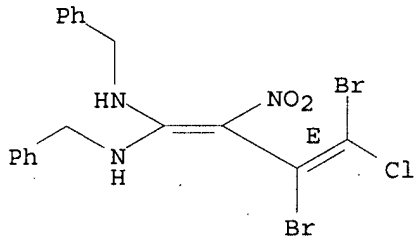
L16 ANSWER 8 OF 20 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1995:698081 HCAPLUS
DOCUMENT NUMBER: 123:313088
TITLE: Bromination of 1-bromo-1,4,4-trichloro-1,3-butadiene and some transformations of the obtained reaction products
AUTHOR(S): Zapolskii, V. A.; Potkin, V. I.; Kaberdin, R. V.
CORPORATE SOURCE: Inst. Fiz.-Org. Khim., Minsk, Belarus
SOURCE: Zhurnal Organicheskoi Khimii (1994), 30(10), 1452-7
CODEN: ZORKAE; ISSN: 0514-7492
PUBLISHER: Nauka
DOCUMENT TYPE: Journal
LANGUAGE: Russian
OTHER SOURCE(S): CASREACT 123:313088

AB Bromination of 1-bromo-1,4,4-trichloro-1,3-butadiene afforded a mixture of 1,2- and 3,4-adducts (I and II). Dehydrobromination of I and II provided 1,2-dibromo-1,4,4-trichloro- and 1,3-dibromo-1,4,4-trichloro-1,3-butadienes (III and IV). Nitration of E-isomer of III afforded (E)-2-nitro-3,4-dibromo-1,1,4-trichloro-1,3-butadiene V. Nucleophilic vinylic substitution of V with m-toluidine, benzyl amine and morpholine is presented.

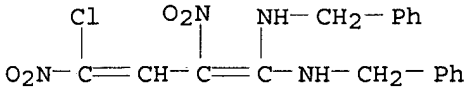
IT 170162-07-9P

RL: SPN (Synthetic preparation); PREP (Preparation)
(synthesis and reactions of pentahalo-1,3-butadienes)
RN 170162-07-9 HCAPLUS
CN 1,3-Butadiene-1,1-diamine, 3,4-dibromo-4-chloro-2-nitro-N,N'-bis(phenylmethyl)-, (3E)- (CA INDEX NAME)

Double bond geometry as shown.



L16 ANSWER 9 OF 20 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1995:298794 HCAPLUS
DOCUMENT NUMBER: 122:104963
TITLE: Synthesis of dinitro-substituted dienediamines from 1,3-dinitro-1,4,4-trichloro-1,3-butadiene
AUTHOR(S): Zaplosky, V. A.; Potkin, V. I.; Kaberdin, R. V.
CORPORATE SOURCE: Inst. Fiz. Org. Khim., Belarus
SOURCE: Vestsi Akademii Navuk Belarusi, Seryya Khimichnykh Navuk (1994), (3), 82-4
CODEN: VAKNEK; ISSN: 0002-3590
PUBLISHER: Navuka i Tekhnika
DOCUMENT TYPE: Journal
LANGUAGE: Russian
AB O2NCCl:CHC(NO2):CX2 (I; X = Cl) reacted with primary and secondary amines to give 7 corresponding I (X = NHCMe3, NHCH2Ph, NHPh, NHC6H4Me-m, 2,4-xylidino, piperidino, morpholino) in 55-75% yield.
IT 160822-30-0P
RL: SPN (Synthetic preparation); PREP (Preparation)
(synthesis of dinitro-substituted dienediamines from dinitrotrichlorobutadiene)
RN 160822-30-0 HCAPLUS
CN 1,3-Butadiene-1,1-diamine, 4-chloro-2,4-dinitro-N,N'-bis(phenylmethyl)- (CA INDEX NAME)

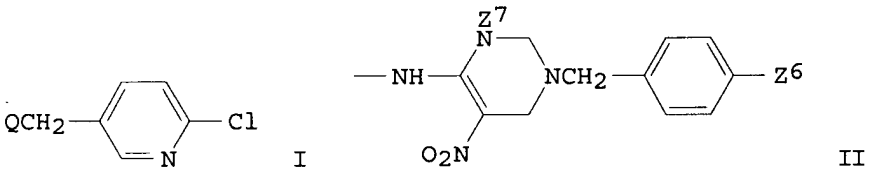


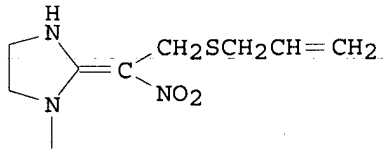
L16 ANSWER 10 OF 20 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1994:499814 HCAPLUS
DOCUMENT NUMBER: 121:99814
TITLE: Preparation of 2-chloro-5-pyridylmethylene compounds and platelet-activating factor antagonists containing them
INVENTOR(S): Sugi, Hideo; Koyanagi, Tooru; Odawara, Shinji; Okada, Hiroshi; Kimura, Hirohiko; Omatsu, Masato; Sasaki, Hiroshi

PATENT ASSIGNEE(S): Ishihara Sangyo Kaisha, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 17 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 06087745	A	19940329	JP 1991-130807	19910320 <--
PRIORITY APPLN. INFO.:			JP 1991-130807	19910320

OTHER SOURCE(S): MARPAT 121:99814
GI

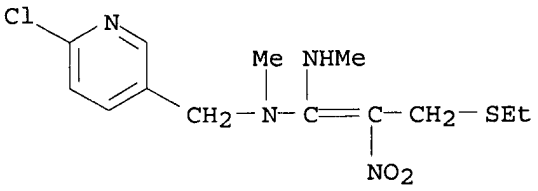




AB Platelet-activating factor antagonists contain the title compds. I [Q = NZ1C(NHZ2):C(NO2)CH2S(O)jX [Z1-2 = alkyl or Z1Z2 = CH2CH2; X = (un)substituted alkyl, (halo)phenyl, (halo)alkenyl, (halo)alkynyl, (halo)benzoyl, CH2SiR1R2R3 [R1-2 = alkyl; R3 = (un)substituted Ph, (un)substituted alkyl]; j = 0-2; when Z1 and Z2 form no ring, X = alkyl and j = 0]; NZ3C(NZ4Z5):NNO2 (Z3-4 = alkoxycarbonyl; Z5 = H, alkyl); II (Z6 = halo; R7 = alkyl)] or their salts as active ingredients. Treatment of 0.5 g 1-(6-chloro-3-pyridylmethyl)-2-nitromethyleneimidazolidine with 0.19 g aqueous HCHO solution (37%) and 0.22 g CH2:CHCH2SH under reflux for 2 h to give 0.33 g I (Q = III) (IV). Pretreatment of mice with IV at 100 mg/kg completely inhibited death from PAF-induced shock. A tablet containing IV 200, lactose 150, starch 30, and Mg stearate 6 mg was prepared

IT 133077-76-6
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)
(PAF-antagonistic activity of)

RN 133077-76-6 HCAPLUS
CN 1-Propene-1,1-diamine, N-[(6-chloro-3-pyridinyl)methyl]-3-(ethylthio)-N,N'-dimethyl-2-nitro- (9CI) (CA INDEX NAME)



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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	86.78	798.13
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-10.92	-12.48

STN INTERNATIONAL LOGOFF AT 11:59:29 ON 16 SEP 2007